



BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: KODIGEHALLI

***Name of Work: Estimate For Improvements To Road And
Drains In Word No 12 Kodigehalli***

ESTIMATED COST: Rs.14 Lakh



BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Byatarayanapura Division

Detailed Estimate

Name of the Work : Improvements to Road and Drains in word no 12 Kodigehalli

Estimate Amount : 1400000.00

Sl. No.	Particulars	Unit	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Drain								
	Removing and Resetting of Footpath Slab and pointing in C.M (1:3) (Approved Rate)								
		Sqm							
	Approved Rate	235							
	Area Weightage 10%	23.50							
	Total	258.50							
1	LHS 60 ft Road From Maruty Enterprise to Kodigehalli Main Road		2	273.00	1.20		655.2		
	LHS Kodigehalli Main Road Jr.Road		2	191.00	1.20		458.4		
							1113.6		
	Deduct 30% Missing/Damaged Slab						334.08		
							779.52	258.5	201505.92
	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work.								
	(Page No. 5, SI.No.1.4.1 of KPWD S.R 2021-22.Volume-1).								
		Cum							
	Basic rate	186.00							
	Area Weightage @ 10%	18.60							
	Total Rate in Rs	204.60							
	Drain Desilting								
2	LHS 60 ft Road From Maruty Enterprise to Kodigehalli Main Road Jn		1	273.00	0.60	0.40	65.52		
	LHS Kodigehalli main Rd to r.Road Jn		1	191.00	0.60	0.40	45.84		
	Culvert Desilting								
	LHS 60 ft Road From Maruty Enterprise to Kodigehalli Main Road Jn		1	7.00	1.10	0.50	3.85		
	Near Manjunath clinic to Kodigehalli Main Road Jn		1	7.00	1.10	0.50	3.85		
	LHS Kodigehalli main Rd to Juicy world		1	7.00	1.10	0.50	3.85		
	LHS Kodigehalli Main Rd at Kodava Cuisine Cross Rod		1	7.00	1.10	0.50	3.85		
							126.76	204.60	25935.10
	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead Prestressed / RCC grade M-20 & above(PWD SR 2021-22 Vol -II Pg 8 item no 2.8 B) 4-3.								
		Sqm							
	Basic rate	1204							
	Area Weightage @ 10%	120.40							
	Total Rate in Rs	1324.40							
3	Dismantling of Existing Slab								
	LHS 60 ft Road From Maruty Enterprise to Kodigehalli Main Road Jn		1	7.00	0.9		6.30		

Sl. No.	Particulars	Unit	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Near Manjunath clinic to Kodigehalli Main Road Jn		1	7.00	0.9		6.30		
	LHS Kodigehalli main Rd to Juicy world		1	7.00	0.9		6.30		
	LHS Kodigehalli Main Rd at Kodava Cuisine Cross Rod		1	7.00	0.9		6.30		
							25.20	1324.40	33374.88
4	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick made of M25 with OPC cement @ 340kgs per Cum with 20 mm and Down size graded granite metal coarse agg @.70 mixed including providing and removing centering, shuttering, shuttering propping etc. for edges of slabs with TMT (Fe500) COM, labor, labor, all Lead and Lift, HOM, Curing, including Cost of reinf. Etc, Complete as directed by the Engineer In charge of Work (Data Rate)								
		Sqm							
	Data Rate	2072.00							
	Wall								
	Considering the Quantity from Item No.1(Damaged slab)						334.08	2072.00	692213.76
5	Providing and Fixing pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)								
		Sqm							
	Data Rate	5037.00							
	Culvert cover Slab								
	LHS 60 ft Road From Maruty Enterprise to Kodigehalli Main Road Jn		1	7.00	1.2		8.4		
	Near Manjunath clinic to Kodigehalli Main Road Jn		1	7.00	1.2		8.4		
	LHS Kodigehalli main Rd to Juicy world		1	7.00	1.2		8.4		
	LHS Kodigehalli Main Rd at Kodava Cuisine Cross Rod		1	7.00	1.2		8.4		
							33.6	5037	169243.2
6	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (V-III Page No.3, Item No.1.4 A of PWD SR 2021-22)								
		t.km							
	Basic Rate	12.00							
	8KM Lead = 12*8	96.00							
	Area Weightage 10%	9.60							
	Total Rate	105.60							
	Qty frm Item No-1 & 2			460.84	1.28		589.88	105.60	62,290.82
									1184563.68
								18%gst	213221.46
								Missalaneous & Rounding	2214.86
								Total Ammount	1400000.00

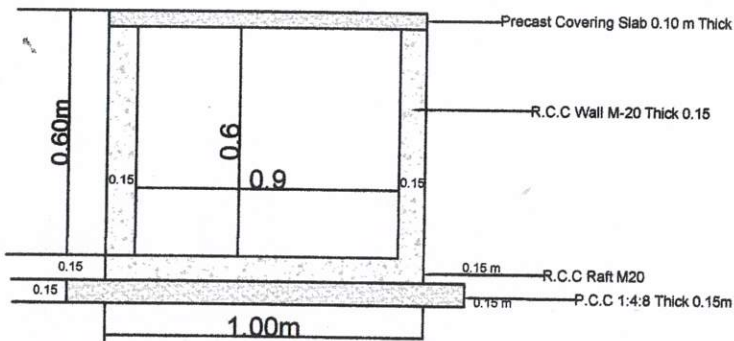
Junior Engineer
Ward No.12

Assistant Executive Engineer
Kodigehalli Sub Division

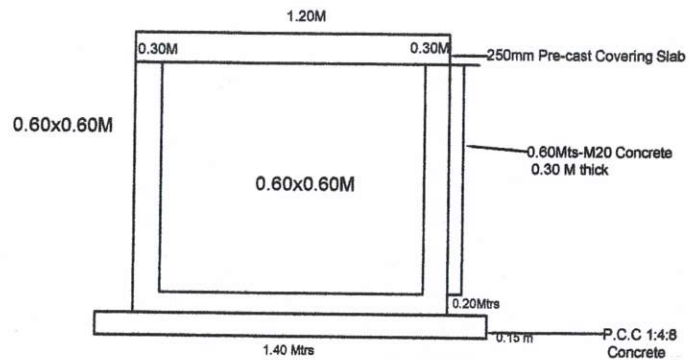
Administrative Approval
Accorded For Rs. 14.00 Lakhs
Head of A/C P3726
CER NO : 111 Date: 16.09.2022

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ವ್ಯವಸ್ಥಾಪನಾ ವಿಭಾಗ
ಬಿ.ವಿ.ಮ.ಪಾ., ಬೆಂಗಳೂರು

TECHNICAL SANCTION	
Accorded For Rs.	Rs. 14.00 Lakhs
Head of A/c	P3726
Div. Ref. No.	46
Date	16/09/22
AE	EE(BTP)



TYPICAL CROSS SECTION OF DRAIN



TYPICAL CROSS SECTION OF RCC CULVERT

Aartn Associates

Assistant Engineer

Assistant Executive Engineer
Yelahanka Zone
Bangalore-64

CLIENT:-

BRUHAT BANGALORE MAHANAGARA PALIKE

TITLE:

TYPICAL CROSS SECTION OF & DRAIN
RCC Culvert

SCALE:

Revisions

Rev.	Date	Description
01		Initial Drawing for Approval



Assistant Executive Engineer
Yelahanka Zone
Bangalore-92

CLIENT:- BRUHAT BANGALORE MAHANAGARA PALIKE	CONSULTANT:- AARTH ASSOCIATES The Planning & Engineering Solution #105, 106 & 107, 3rd Stage, Thuballur, Hosur Taluk, Channarayana Taluk, Bangalore District Tel: +91-8860000000 www.aarthassociates.com	PROJECT:- Cross section details of Asphalt Road	Prepared by _____ Designed by _____ Checked by _____ Drawn by _____ Date _____	TITLE: Cross section details of Asphalt Road GO D No.: _____ SCALE: NTS	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Revisions</th> </tr> <tr> <th>Rev</th> <th>Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>01</td> <td></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Revisions			Rev	Date	Description	01											
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